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PATENT APPLICATION
CS-7890

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF)	
MICHAEL R. SCHWARZ)	GROUP NO.: 1616
SERIAL NUMBER: 10/623,402)	
FILED: JULY 18, 2003)	
TITLE: METHOD OF MINIMIZING)	
HERICIDAL INJURY)	

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This disclosure statement under 37 CFR 1.97 & 1.98 is submitted before the first Office Action in order that the Patent and Trademark Office may consider the relevancy of certain information to the invention described and claimed in the subject application, and in compliance with the regulations concerning information disclosure statements.

Enclosed are copies of foreign documents and articles listed on the attached Form PTO-1449.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an enveloped addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on 6/21/04

Date

Raymond J. Harmuth, Reg. No. 33,896

Name of applicant, assignee or Registered Representative

Raymond J. Harmuth
Signature

June 21, 2004

Date

This Information Disclosure Statement should not be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, that any document mentioned herein constitutes prior art, or that the documents listed severally or in any combination with one another or with any other information, are believed to render any claim in the subject application prima facie unpatentable.

Respectfully submitted,

By Raymond J. Harmuth
Raymond J. Harmuth
Attorney for Applicants
Reg. No. 33,896

Bayer CropScience LP
100 Bayer Road
Pittsburgh, Pennsylvania 15205-9741
(412) 777-3916
FACSIMILE PHONE NUMBER:
(412) 777-3902
s:\bsh\RJH038

Form PTO 1449

U.S. Department of Commerce

Rev. 7-89

Patent and Trademark Office

LIST OF PRIOR ART CITED BY APPLICANT
(Use Several Sheets If Necessary)Atty. Docket No.
CS7890Serial No.
10/623,402Applicant
Michael R. SchwarzFiling Date
July 18, 2003Group
1616

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,531,002	07/23/85	(Bel. to corresp. to EP Harris	135 956) 544	54	
	AB	4,590,272	05/20/86	(Bel. to corresp. to EP Shiokawa et al	136 636) 544	335	
	AC	4,606,862	08/19/86	(Bel. to corresp. to EP Harris	135 956) 260	402.5	
	AD	4,647,570	03/03/87	(Bel. to corresp. to EP Shiokawa et al	154 178) 514	341	
	AE	4,678,795	07/07/87	(Bel. to corresp. to EP Shiokawa et al	163 855) 514	341	
	AF	4,680,294	07/14/87	(Bel. to corresp. to EP Shiokawa et al	154 178) 514	256	
	AG	4,687,838	08/18/87	(Bel. to corresp. to EP Mumcu et al	302 389) 528	496	
	AH	4,687,845	08/18/87	(Bel. to corresp. to EP Hollowood et al	189 972) 544	54	
	AI	4,742,060	05/03/88	(Bel. to corresp. to EP Shiokawa et al	192 060) 514	252	
	AJ	4,774,247	09/27/88	(Bel. to corresp. to EP Shiokawa et al	163 855) 514	256	
	AK	4,803,277	02/07/89	(Bel. to corresp. to EP Shiokawa et al	259 738) 514	332	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
	AL	91/17659 /	11/28/91	World Patent				
	AM	3-220176 /	09/27/91	Japan (Abstract attached)				X
	AN	2-207083 /	08/16/90	Japan (Abstract attached)				X
	AO	63-307857 /	12/15/88	Japan (Abstract attached)				X
	AP	63-287764 /	11/24/88	Japan (Abstract attached)				X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	The Pesticide Handbook, 12 th edition, (month unavailable) 2000, pages 1243-1250, C.D.S. Tomlin, ed., British Crop Protection Council, "Index 5"
	AS	Chemical Engineering, December 1967, pages 147-170, J.E. Browning, "Agglomeration"
	AT	Weed Control Handbook, 5 th edition, (month unavailable) 1968, pages 101-103, "The Application of Herbicides"
EXAMINER		DATE CONSIDERED
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U.S. PATENT DOCUMENTS

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	AA	4,806,553	02/21/89	(Bel. to corresp. to EP Shiohawa et al	254 859) 514	332	
	AB	4,812,454	03/14/89	(Bel. to corresp. to EP Shiohawa et al	212 600) 514	256	
	AC	4,812,571	03/14/89	(Bel. to corresp. to EP Shiohawa et al	163 855) 546	296	
	AD	4,845,106	07/04/89	(Bel. to corresp. to EP Shiohawa et al	192 060) 514	342	
	AE	4,849,432	07/18/89	(Bel. to corresp. to EP Shiohawa et al	235 725) 514	341	
	AF	4,882, 344	11/21/89	(Bel. to corresp. to EP Shiohawa et al	259 738) 514	342	
	AG	4,914,113	04/03/90	(Bel. to corresp. to EP Shiohawa et al	315 826) 514	333	
	AH	4,918,086	04/17/90	(Bel. to corresp. to EP Gsell	302 833) 514	351	
	AI	4,918,088	04/17/90	(Bel. to corresp. to BR Gsell	8083621) 514	357	
	AJ	4,948,798	08/14/90	(Bel. to corresp. to EP Gsell	306 696) 514	275	
	AK	4,963,572	10/16/90	(Bel. to corresp. to EP Gsell	303 570) 514	357	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
	AL	3-279359 /	12/10/91	Japan (Abstract attached)				X
	AM	4-9371 /	01/14/92	Japan (Abstract attached)				X
	AN	3-246283 No	11/01/99	Japan (Abstract attached only)				
	AO	5-139921 /	06/08/93	Japan (Translation attached)			X	
	AP	3-261704 /	11/21/91	Japan (Abstract attached)				X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Weed Control: as a Science, (month unavailable) 1961, pages 81-96, G.C. Klingman, "Surface Active Agents"
	AS	Beltwide Cotton Conferences, Vol. 2, (month unavailable) 1998, pages 1177-1180, D. Ames Herbert, Jr., "Evaluation of Thrips Damage of Maturity and Yield of Virginia Cotton"
	AT	Arthropod Management Tests, Vol. 20, (month unavailable) 1995, pages 209-211, J.R. Reed and C.S. Jackson, "Insecticides with Disyston 15G as Safener for Command Herbicide on Cotton in Mississippi, 1994"

EXAMINER	DATE CONSIDERED
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,963,574	10/16/90	(Bel. to corresp. to FR Bachmann et al	2,611,114) 514	357	
	AB	4,988,712	01/29/91	(Bel. to corresp. to EP Shiokawa et al	259 738) 514	340	
	AC	5,001,138	03/19/91	(Bel. to corresp. to EP Shiokawa et al	192 060) 514	342	
	AD	5,032,589	07/16/91	(Bel. to corresp. to EP Shiokawa et al	386 565) 514	245	
	AE	5,034,404	07/23/91	Uneme et al	514	365	
	AF	5,034,524	07/23/91	(Bel. to corresp. to EP Shiokawa et al	386 565) 544	124	
	AG	5,039,686	08/13/91	Davies et al	514	341	
	AH	5,049,571	09/17/91	(Bel. to corresp. to EP Gsell	302 833) 514	345	
	AI	5,051,434	09/24/91	(Bel. to corresp. to EP Kozo et al	383 091 & 514	EP 375 907) 357	
	AJ	5,063,236	11/05/91	(Bel. to corresp. to EP Gsell	306 696) 514	318	
	AK	5,066,808	11/19/91	(Bel. to corresp. to EP Shiokawa et al	364 844) 514	231.5	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
	AL	2 382 615 /	04/19/01	(Bel. to corresp. to WO 01/26468) Canada				
	AM	3-255072 /	11/13/91	Japan (Abstract attached)				X
	AN	36 39 877 /	05/26/88	Germany (Abstract attached)				X
	AO	37 12 307 /	10/20/88	Germany (Abstract attached)				X
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Arthropod Management Tests, 24, (month unavailable) 1999, pages 204-205, D.E. Bragg, J. Burns and J. Yenish, "Antagonism Between Herbicide and Insecticide in Spring Canola, 1998.
	AS	Beltwide Cotton Conferences, Vol. 2, (month unavailable) 1997, pages 1171-1176, S.J. Stringer, H.R. Mitchell, "Effect of Furadan/Disulfoton on Cotton Growth and Development"
	AT	Proceedings of the Western Society of Weed Science, Volume 53, Papers Presented at the Annual Meeting, March 14-16, 2000, pages 30-31, P.J. Schneider, J.P. Yenish, D. Bragg John Burns, and "Antagonism of Insecticide Activity in Canola with Low Doses of Sulfonylurea Herbicides"

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	AA	5,084,467	01/28/92	(Bel. to corresp. to EP Shiokawa et al	383 091 & 514	EP 375 907) 357	
	AB	5,166,164	11/24/92	(Bel. to corresp. to EP Nanjo et al	425 978) 514	357	
	AC	5,192,778	03/09/93	(Bel. to corresp. to EP Kodaka et al	455 000) 514	341	
	AD	5,204,359	04/20/93	(Bel. to corresp. to EP Shiokawa et al	383 091 & 514	EP 375 907) 332	
	AE	5,204,360	04/20/93	(Bel. to corresp. to EP Shiokawa et al	192 060) 514	342	
	AF	5,238,949	08/24/93	(Bel. to corresp. to EP Shiokawa et al	383 091 & 514	EP 375 907) 327	
	AG	5,256,679	10/26/93	(Bel. to corresp. to EP Minamida et al	471 372) 514	357	
	AH	5,264,584	11/23/93	(Bel. to corresp. to EP Kodaka et al	455 000) 548	332.5	
	AI	5,280,123	01/18/94	(Bel. to corresp. to EP Nanjo et al	464 830) 548	111	
	AJ	5,298,507	03/29/94	(Bel. to corresp. to EP Shiokawa et al	192 060) 514	256	
	AK	5,384,324	01/24/95	(Bel. to corresp. to EP Shiokawa et al	364 844) 514	365	

FOREIGN PATENT DOCUMENTS

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	AL							
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1616**U.S. PATENT DOCUMENTS**

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	AA	5,405,961	04/11/95	(Bel. to corresp. to EP Nanjo et al	464 830) 544	243	
	AB	5,428,032	06/27/95	(Bel. to corresp. to EP Shiokawa et al	192 060) 514	226.8	
	AC	5,461,167	10/24/95	(Bel. to corresp. to EP Shiokawa et al	192 060) 548	202	
	AD	5,580,889	12/03/96	(Bel. to corresp. to EP Shiokawa et al	192 060) 514	343	
	AE	5,696,256	12/09/97	(Bel. to corresp. to EP Kando et al	471 372) 540	463	
	AF	5,719,146	02/17/98	(Bel. to corresp. to EP Shiokawa et al	386 565) 514	229.2	
	AG	5,750,704	05/12/98	(Bel. to corresp. to EP Shiokawa et al	192 060) 546	275.1	
	AH	Re 35,811	05/26/98	(Bel. to corresp. to EP Shiokawa et al	386 565 & 514	EP 375 907) 357	
	AI	5,852,012	12/22/98	(Bel. to corresp. to EP Maiefisch et al	580 553) 514	229.2	
	AJ	6,022,871	02/08/00	(Bel. to corresp. to EP Maiefisch et al	580 553) 514	229.2	
	AK	6,022,967	02/08/00	(Bel. to corresp. to EP Shiokawa et al	192 060) 544	298	

FOREIGN PATENT DOCUMENTS

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	AA	6,187,773 B1	02/13/01	(Bel. to corresp. to EP Wu et al	428 941) 514	245	
	AB	6,232,309 B1	05/15/01	(Bel. to corresp. to EP Shiokawa et al	386 565) 514	222.5	
	AC	6,297,374 B1	10/02/01	(Bel. to corresp. to EP Shiokawa et al	192 060) 544	55	
	AD	6,344,453 B1	02/05/02	(Bel. to corresp. to EP Shiokawa et al	386 565) 514	223.8	
	AE	6,376,487 B1	04/23/02	(Bel. to corresp. to EP Maienfisch et al	580 553) 514	229.2	
	AF	6,551,962 B1	04/22/03	(Bel. to corresp. to WO Pershing et al	02/028185) 504	100	
	AG	6,586,365 B2	07/01/03	(Bel. to corresp. to WO Asrar et al	02/028185) 504	100	
	AH	6,593,273 B2	07/15/03	(Bel. to corresp. to WO Asrar et al	02/028185) 504	100	
	AI	6,627,753 B1	09/30/03	(Bel. to corresp. to EP Maienfisch et al	580 553) 544	67	
	AJ	2001/0046994 A1	11/29/01	(Bel. to corresp. to EP Wu et al	428 941) 514	241	
	AK	2002/0115564 A1	08/22/02	Asrar et al	504	100	

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	AA	2002/0115565 A1	08/22/02	Arar et al	504	100	
	AB	2002/0142916 A1	10/03/02	(Bel. to corresp. to WO Asrar et al	02/028185) 504	100	
	AC	2003/0018992 A1	01/23/03	(Bel. to corresp. to WO Asrar et al	02/028185) 800	279	
	AD	2003/0033631 A1	02/13/03	(Bel. to corresp. to WO Asrar et al	02/028185) 800	279	
	AE	2003/0186813 A1	10/02/03	Pershing et al	504	117	
	AF	2003/0232821 A1	12/18/03	(Bel. to corresp. to EP Maienfisch et al	580 553) 514	229,2	
	AG						
	AH						
	AI						
	AJ						
	AK						

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